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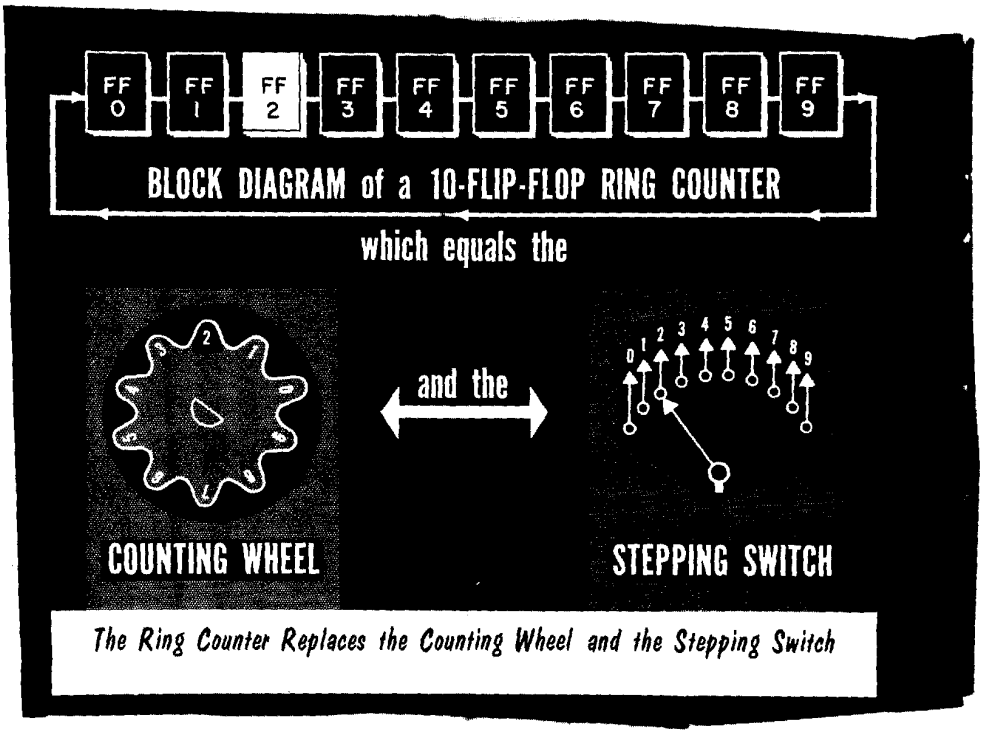

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LIAISON 3-2

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4 March 1959

AD/RR Staff Briefing
on
Development of Data Processing Machines

I. Growing interest in storage and retrieval of information.

II. Earlier developers of information recording machines.

A. Chinese - abacus
B. Babbage - hand recorder and limited calculator
C. Burroughs - improved recorder and limited calculator
D. Hollierth, Toledo Scale - IBM Card System

III. Evolution of the IBM Punched Card Machines into Modern Computer Systems.

A. Punchers, collators, sorters, tabulators.
B. 601-602 Electronic calculating punch.
C. 650-Ramac.
D. 701-702 Series, computers.
E. 704-705 Computers, vacuum tube type.
F. The Binary code.
G. The transistor breakthrough.
H. Punched cards, punched paper tape, magnetic tape as related to input-output.
I. 700 Series Transistorized Systems.

IV. The Intelligence Community Applications.

A. CIA, Intellofax, Minicard, Project Walnut.
B. The Army, Project Asci-Matic, RCA.
C. The Air Force, Project 438-L, G.E.

V. Questions.

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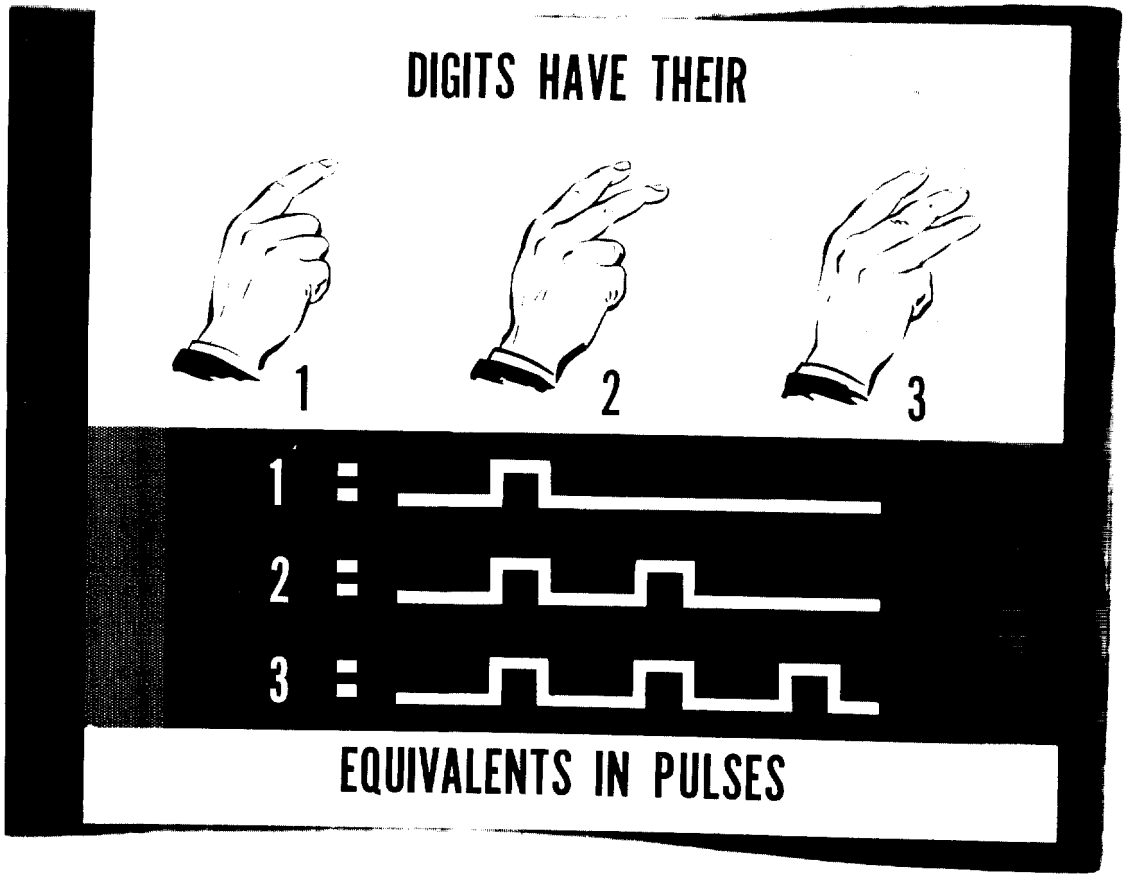

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- BINARY CODE

64	32	16	8	4	2	1	
			0	0	0	1	-1
			0	0	1	0	-2
			0	0	1	1	-3
			0	1	0	0	-4
			0	1	0	1	-5
			0	1	1	0	-6
			0	1	1	1	-7
			1	0	0	0	-8
			1	0	0	1	-9
1	0	0	0	1			-17

The Binary Code is made up of bits, i.e., any combination of 0 and 1. When speaking of Binary we are referring to machine language code. In using a Binary computer the conversion from decimal to Binary is done automatically.

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